IN THE SPECIFICATION

Please amend the specification as follows:

[0022] Jet cooling is known as a method capable of ensuring high local heat transfer efficiency. The method is effective to deal with a large amount of heat generated locally in, for example, a machining operation. It cools a heat generating object by spraying the object with a jet of coolant from a cooling nozzle. The term "coolant" refers to ~~gas~~ fluid such as air or liquid such as water for absorbing and dissipating heat generated from the surface of an electronic device. Heat transfer on a plane perpendicular to the flow of coolant delivered occurs concentrically around a jet axis point. The term "jet axis point" refers to a point on the surface of a cooled object intersecting with an axis of jet from the cooling nozzle.

[0042] The temperature measuring unit 108 temporarily registers time-dependent change of the temperature measured. If a rise in the temperature of the electronic device 200 per unit time measured by the temperature measuring unit 108 exceeds a predetermined threshold value, the selector 134 reads the data and sends a selection signal to the nozzle controller 120. The nozzle controller 120 sends a control signal to the nozzle unit 102 so as to drive the jet cooling apparatus 300. The emission time calculator 122 calculates a period of time during which a jet of coolant should be delivered, in accordance with a rise in the temperature of the electronic device 200 per unit time. The emission time calculator 122 may calculate the speed of a jet of coolant or the quantity of coolant delivered, in accordance with a rise of the temperature of the electronic device 200 per unit time measured by the temperature measuring unit 108. To control the nozzle unit 102 to repeatedly deliver a jet of coolant, the emission time calculator 122 may calculate a ratio between time in which the jet cooling apparatus 300 ~~delvers~~ delivers a jet of coolant and time in which it does not deliver a jet of coolant. The nozzle controller 120 causes the nozzle unit 102 to deliver a jet of coolant by sending a control signal thereto in accordance with the calculation by the emission time calculator 122.